# *Contents*


Ablowitz, M. J., Chakravarty, S., Takhtajan, L. A.: A Self-Dual Yang-Mills Hierarchy and its Reductions to Integrable Systems in 1+1 and 2+1 Dimensions 289

Bartolo, C. Di, Gambini, R., Griego, J.: The Extended Loop Group: An Infinite Dimensional Manifold Associated With the Loop Space 217
Bezuidenhout, C. E., Grimmett, G. R., Kesten, H.: Strict Inequality for Critical Values of Potts Models and Random-Cluster Processes 1
Bobenko, A., Bordemann, M., Gunn, C., Pinkall, U.: On Two Integrable Cellular Automata 127
Boer, J. de, Tjin, T.: Quantization and Representation Theory of Finite $W$ Algebras 485
Bordemann, M. → Bobenko, A. 127
Bovier, A., Ghez, J. M.: Spectral Properties of the One-Dimensional Schrödinger Operators with Potentials Generated by Substitutions 45

Carey, A. L., Hannabuss, K. C., Mason, L. J., Singer, M. A.: The Landau-Lifshitz Equation, Elliptic Curves and the Ward Transform *(Erratum)* 215
Cecotti, S., Vafa, C.: On Classification of $N = 2$ Supersymmetric Theories 569
Chakravarty, S. → Ablowitz, M. J. 289
Cohen, R. L., Jones, J. D. S.: Monopoles, Braid Groups, and the Dirac Operator 241

Dancer, A. S.: Nahm's Equations and Hyperkähler Geometry 545
Denzler, J.: Nonpersistence of Breather Families for the Perturbed Sine Gordon Equation 397

Figueroa-O'Farrill, J. M., Mas, J., Ramos, E.: A One-Parameter Family of Hamiltonian Structures for the KP Hierarchy and a Continuous Deformation of the Nonlinear $W_{KP}$ Algebra 17

Gambini, R. → Di Bartolo, C. 217
Ghez, J. M. → Bovier, A. 45
Griego, J. → Di Bartolo, C. 217
Grimmett, G. R. → Bezuidenhout, C. E. 1
Gunn, C. → Bobenko, A. 127

Hannabuss, K. C. → Carey, A. L. 215
Herbst, I.: Perturbation Theory for the Decay Rate of Eigenfunctions in the Generalized $N$-body Problem 517

Illge, R.: Massive Fields of Arbitrary Spin in Curved Space-Times 433

Jones, J. D. S. → Cohen, R. L. 241

Kesten, H. → Bezuidenhout, C. E. 1
Kigami, J., Lapidus, M. L.: Weyl's Problem for the Spectral Distribution of Laplacians on P.C.F. Self-Similar Fractals 93
Koma, T., Tasaki, H.: Symmetry Breaking in Heisenberg Antiferromagnets 191
Kozlov, S. M.: Harmonization and Homogenization on Fractals *(Erratum)* 431

Lapidus, M. L. → Kigami, J. 93
Liu, V. X.: A Sharp Lower Bound for the Hausdorff Dimension of the Global Attractors of the 2D Navier-Stokes Equations 327

Matin, P., Saleur, H.: On an Algebraic Approach to Higher Dimensional Statistical Mechanics 155

Mas, J. → Figueroa-O'Farrill, J. M. 17
Mason, L. J. → Carey, A. L. 215
Mezincescu, G. A.: Internal Lifschitz Singularities for One Dimensional Schrödinger Operators 315
Mielke, A., Tasaki, H.: Ferromagnetism in the Hubbard Model. Examples from Models with Degenerate Single-Electron Ground States 341
Morosi, C., Pizzocchero, L.: On the BiHamiltonian Structure of the Sypersymmetric KdV Hierarchies. A Lie Superalgebraic Approach 267

Pinkall, U. → Bobenko, A. 127
Pizzocchero, L. → Morosi, C. 267

Ramos, E. → Figueroa-O'Farrill, J. M. 17

Saleur, H. → Martin, P. 155
Schwarz, A.: Semiclassical Approximation in Batalin-Vilkovisky Formalism 373
Singer, M. Å. → Carey, A. L. 215
Stovicek, P.: Quantum Grassmann Manifolds 135

Takhtajan, L. A. → Ablowitz, M. J. 289
Tarasov, V.: Cyclic Monodromy Matrices for $sl(n)$ Trigonometric $R$-Matrices 459
Tasaki, H. → Koma, T. 191
Tasaki, H. → Mielke, A. 341
Tjin, T. → Boer, J. de 485

Vafa, C. → Cecotti, S. 569

Watamura, S.: Quantum Deformation of BRST Algebra 67
Wiesbrock, H.-W.: Conformal Quantum Field Theory and Half-Sided Modular Inclusions of von-Neumann-Algebras 537

Indexed in *Current Contents*
Evaluated and abstracted for *PHYS* on *STN*